

WEST**End of Result Set**

Generate Collection

L14: Entry 7 of 7

File: DWPI

Nov 30, 1987

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DERWENT-WEEK: 198751

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TITLE: Prepn. of penicillin(s) G and V - by aerobic fermentation of penicillium chrysogenum stock

ABTX:

Penicillins G and V are prepd. by aerobic fermentation of Penicillium chrysogenum stock at 24-25 deg.C with aeration of 0.7-1.3 volume per minute per 1 vol. of fermentation liquor. Phenylactic acid is used for Penicillin G and phenoxyacetic acid for Penicillin V at a min. concn. of 0.05 vol.% each. A pH of 6.2-7 is set by dosing ammonium sulphate, ammonium hydroxide and potassium hydroxide. A nitrogen level of 20 mg/100 ml. min. is maintained. Moist cellular mass is kept at 53% max. by dosing sunflower oil, saccharose soln. and water. Following fermentation period of 90 hours, 5-10 vol.% of the fermentation liquor is removed every 10-20 hours during a total process time of 160-240 hours.

(deary)
① Phenoltyracic Acid → 0.05 vol.% each.

② Oxygen

③ Ammonium Ammonium

Hogge et al.

Result
to add?

Bovenberg
Koelman

US 5795733

(1) also look at
Examples 4 & 5 of
this patent.

1283
70
353